WS2A

Compact dual-driver subwoofer

touring and theatre

features

- Dedicated ultra-low frequency system
- Twin high efficiency 15" (380mm) transducers
- Extended response to 30Hz (-10dB)
- Multi-laminate birch plywood construction

applications

- Theatre sub-bass
- Live sound reinforcement
- Nightclub system sub-bass

The WS2A is a dedicated subwoofer for use with Wavefront Series full-range enclosures in situations where ultra-low frequency enhancement and increased system headroom are required.

It will extend the power bandwidth of the complete system to below 35Hz and is capable of reproducing levels of deep bass normally associated with much larger enclosures.

It is intended to be sited at ground level whilst the main system is flown - its compact dimensions making it particularly suited to theatre and nightclub applications.

The WS2A features twin high efficiency 15" (380mm) diameter/4" (100mm) voice coil drivers reflex loaded in an unusually compact plywood enclosure built using the same construction techniques as larger Martin touring systems.

It is designed to be used below 100Hz in conjunction with the DX1 system controller configured for the WS2A to provide system specific equalisation, crossover and limiter functions.

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MARTIN AUDIO
LONDON

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Compact dual-driver subwoofer

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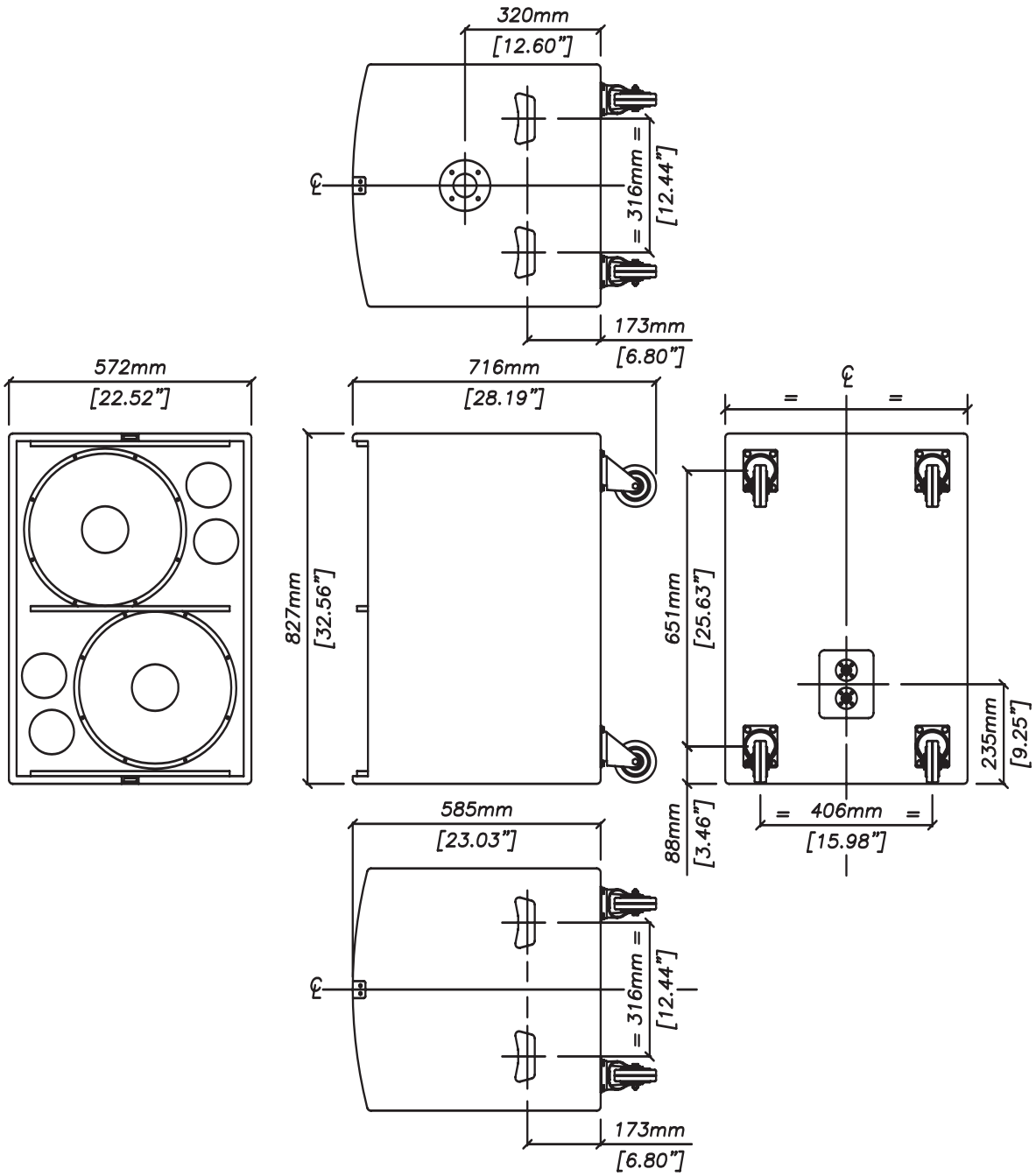
overall dimensions



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technical specifications

TYPE	Compact sub-bass
FREQUENCY RESPONSE (1)	38Hz-100Hz ± 3dB -10dB @ 30Hz
DRIVERS	2 x 15" (380mm) / 4" (100mm) voice coil
RATED POWER (2)	800W AES, 3200 peak
RECOMMENDED AMPLIFIER	700-1200W into 4 ohms
SENSITIVITY (3)	99dB
MAXIMUM SPL (4)	126dB continuous, 132dB peak
NOMINAL IMPEDANCE	4 ohms
CROSSOVER	100Hz active
FINISH	Textured grey paint
PROTECTIVE GRILLE	Grey perforated steel
CONNECTORS	2 x Neutrik NL4
FITTINGS	4 x 4" (100mm) castors 1 x Mounting pole socket Lid clips
DIMENSIONS	(W) 572mm x (H) 827mm x (D) 585mm (W) 22.5ins x (H) 32.5ins x (D) 23ins
WEIGHT	60kg (132lbs)

accessories

WS2ALID	Lid and cabinet fittings

architectural and engineering specifications

The loudspeaker system shall be of the dual-driver sub-bass type consisting of two 15" (380mm) direct radiating low frequency transducers reflex loaded in a multi-laminate birch ply enclosure fitted with 4" (100mm) castors for easy deployment. The loudspeaker system shall operate with a separate dedicated electronic system controller.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:
Frequency response measured 1 metre on axis shall be 38Hz-100Hz ±3dB.
Power handling shall be 800W AES, 3200W peak.
Rated impedance shall be 4 ohms.
Maximum SPL measured at 1 metre on axis shall be 126dB continuous, 132dB peak.
Dimensions (W) 572mm x (H) 827mm x (D) 585mm (22.5ins x 32.5ins x 23ins).
Weight 60kg (132lbs).

The loudspeaker system shall be the Martin Audio WS2A.

Notes

(1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
(2) AES Standard ANSI S4.26-1984.
(3) Measured in half space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
(4) Measured in half space at 2 metres using band limited pink noise, then referred to 1 metre.
(5) Measured on-axis in open (4π) space at 2 metres, then referred to 1 metre.
(6) Measured in open (4π) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
(7) Measured in open (4π) space at 2 metres using band limited pink noise, then referred to 1 metre.

Trade Descriptions Act

Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

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